

### DIMENSIONS (mm)

Pins:  $\varnothing$  0.8 mm  
 L = 3.2±0.3 mm  
 Material: Cu-alloy tinned

### LAYOUT

pitch 2.5 mm/Top view

### MARKING

MEDER-Label  
 Type  
 Production code,  
 EN60062/Factory code

dimensions (mm)  
 tolerances according to DIN ISO 2768 m

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		900	1.000	1.100	Ohm
Coil voltage			24		VDC
Rated power			576		mW
Thermal resistance	max. Relay temperature = operating temperature + self heating		24		K/W
Pull-In voltage				18	VDC
Drop-Out voltage		2			VDC

Contact data 83	Conditions	Min	Typ	Max	Unit
Contact-form		B - NC			
Contact-material		Tungsten			
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			50	W
Switching voltage	DC or Peak AC			7.500	V
Switching current	DC or Peak AC			3	A
Carry current	DC or Peak AC			5	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			TOhm
Breakdown voltage	according to IEC 255-5	10.000			VDC
Operate time incl. bounce	measured with 40% overdrive			3,2	ms
Release time	measured with no coil excitation			1,5	ms
Capacitance	@ 10 kHz across open switch		1		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Dielectric Strength Coil/Contact	according to IEC 255-5	15			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	10			TOhm
Case colour		gray			
Housing material		Polycarbonat			
Sealing compound		Polyurethan			
Connection pins		Copper alloy tin plated			
Reach / RoHS conformity		yes			
Remarks		according to RoHS - directive 2002/95/EG			

Environmental data	Conditions	Min	Typ	Max	Unit
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*Products for tomorrow...*

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Item No.:  
**8424583006**  
Item:  
**HM24-1B83-06**

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-20		70	°C
Storage temperature		-35		105	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability					fully sealed

General data	Conditions	Min	Typ	Max	Unit
Total weight			50,2		g
Packaging					10 pcs

Modifications in the sense of technical progress are reserved

Designed at: 02.02.10    Designed by: MPOTUZAK  
Last Change at: 27.07.11    Last Change by: CRUF

Approval at: 02.02.10    Approval by: DSTASTNY  
Approval at: 27.07.11    Approval by: CRUF

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